

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 13 May 2004 (13.05.2004)

PCT

(10) International Publication Number WO 2004/039916 A1

(51) International Patent Classification⁷: C09K 21/06, C01B 33/44, C08K 3/34

(21) International Application Number:

PCT/AU2003/001443

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2002952373

31 October 2002 (31.10.2002) AU

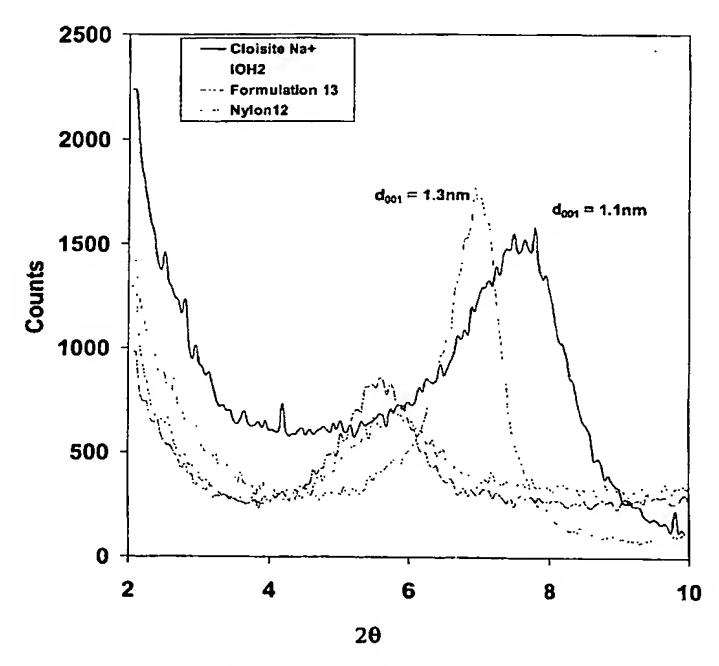
- (71) Applicants (for all designated States except US): COM-MONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION [AU/AU]; Limestone Avenue, Campbell, Australian Capital Territory 2612 (AU). THE BOEING COMPANY [US/US]; 7755 East Marginal Way South, Seattle, WA 98108 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ANGLIN, Matthew, Allen [US/US]; 6403 Linden Avenue North, Seattle, WA

98103 (US). BATEMAN, Stuart, Arthur [AU/AU]; 3 Wortley Avenue, Mount Waverley, Victoria 3149 (AU). MACLEAN, Barbara, Lord [US/US]; 9824-NE 13th Street, Bellevue, WA 98004 (US). PARTLETT, Matthew, Jon [AU/AU]; 1/69-71 Noble Street, Allawah, New South Wales 2218 (AU). PETERSON, James, Macon [US/US]; 420 SW 183rd Street, Seattle, WA 98166-39342 (US). WU, Dong, Yang [AU/AU]; 6 Arnott Court, Wheelers Hill, Victoria 3150 (AU).

- (74) Agent: GRIFFITH HACK; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: FIRE RESISTANT MATERIAL



(57) Abstract: The present invention relates to inorganic-organic hybrids (IOHs), methods for their preparation and their use as fire resistant materials or components of fire resistant materials. More specifically, the invention relates to polyamide fire resistant formulations containing IOHs which have application in the production of fire resistant articles or parts thereof for use in the transportation, building, construction and electrical or optical industries.

WO 004/039916 A1



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

١٠

with international search report